OIPE IAP93
OCT 24 2005
PATENT & TRADEMARK OFFICE

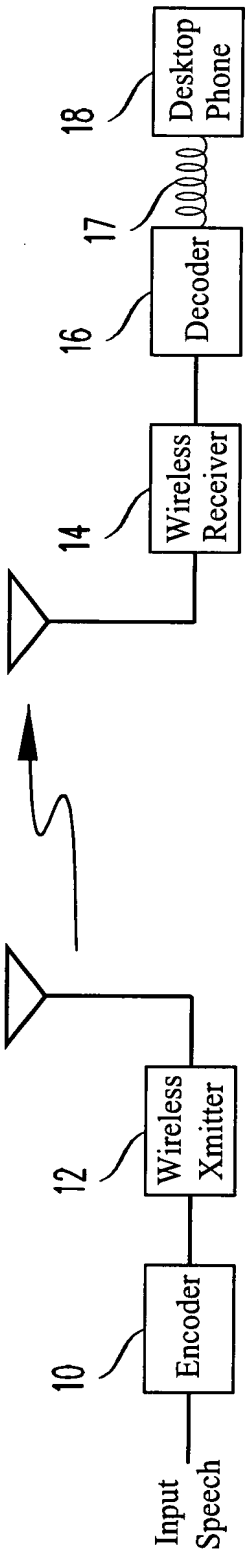


FIG. 1
(prior art)

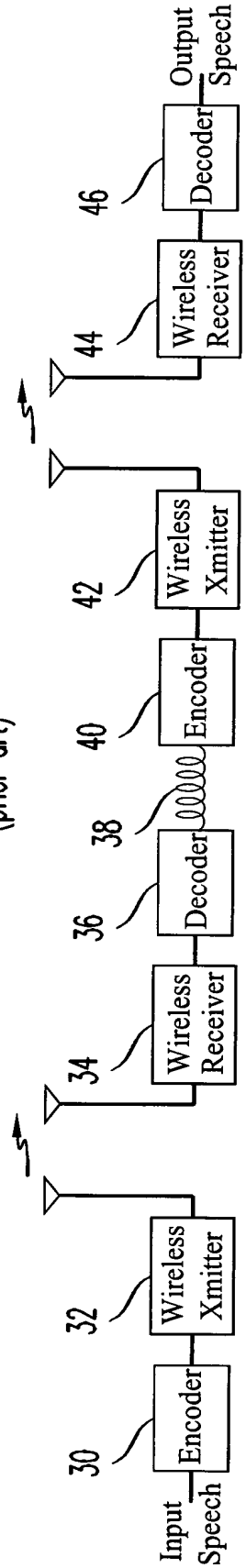


FIG. 2
(prior art)

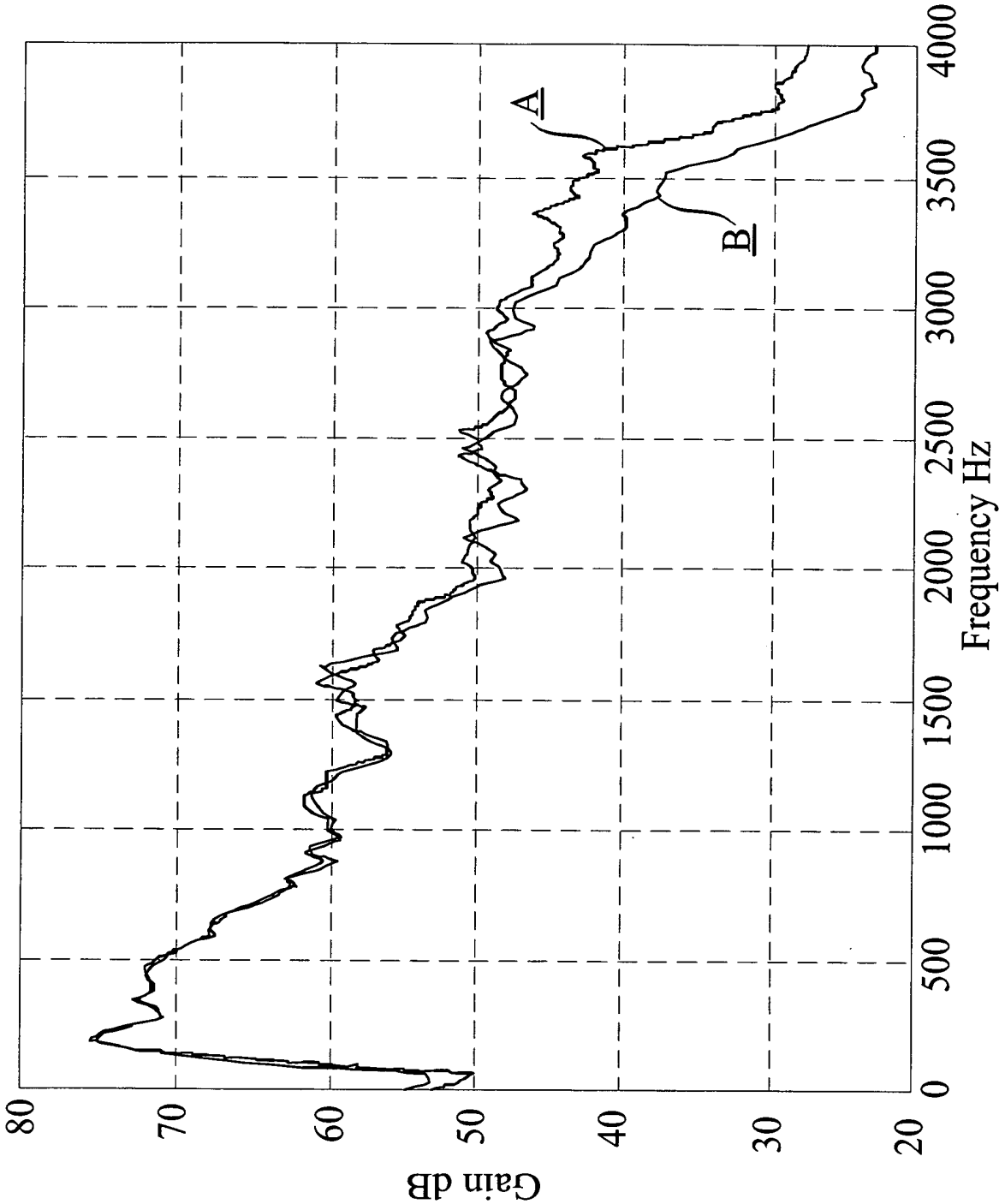


FIG. 3
(prior art)

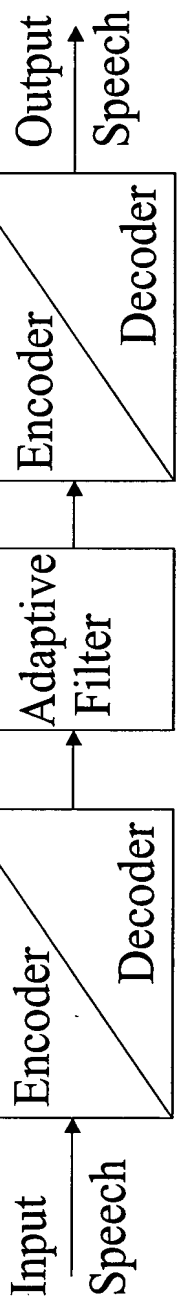


FIG. 4

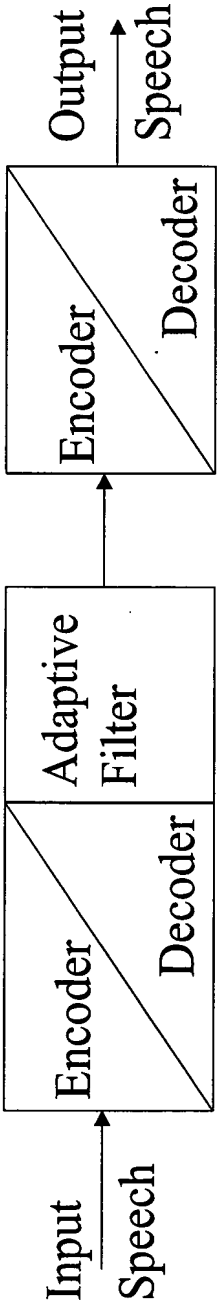


FIG. 5

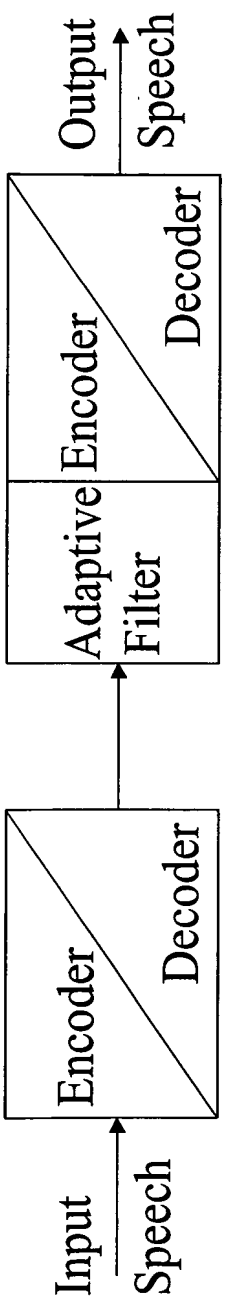


FIG. 6

FIG. 7

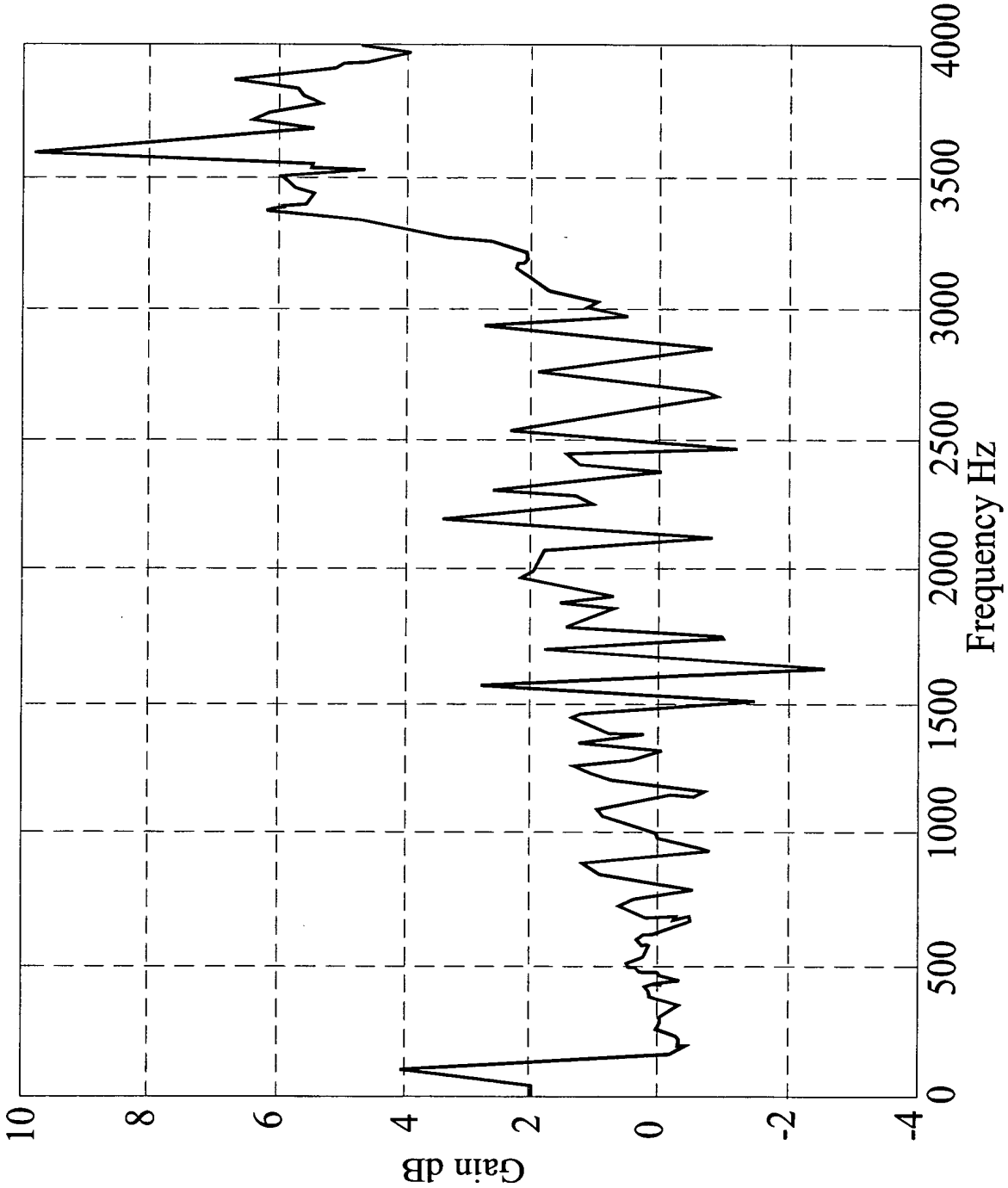

Gain dB
10
8
6
4
2
0
-2
-4
0
500
1000
1500
2000
2500
3000
3500
4000
Frequency Hz

FIG. 8

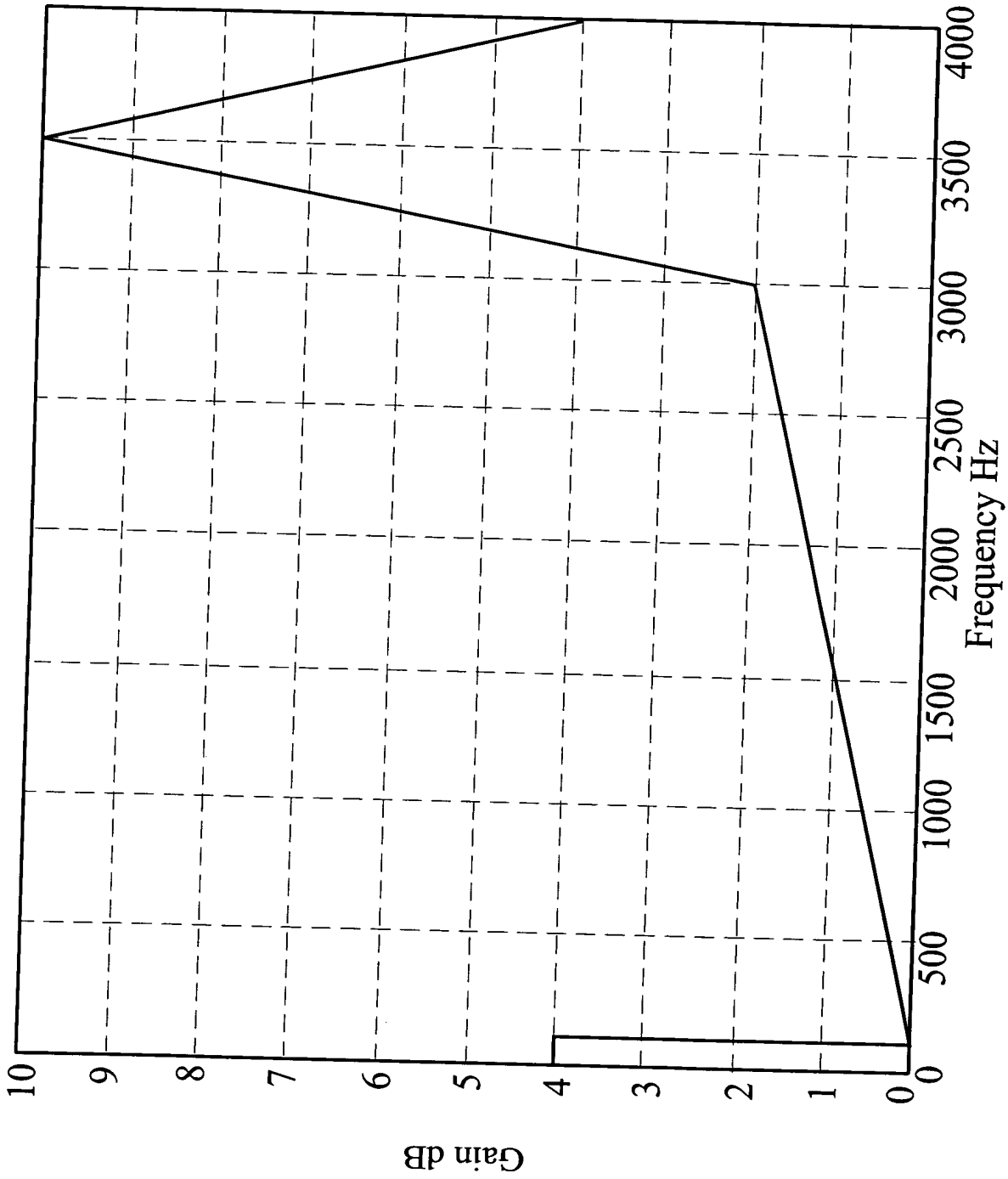
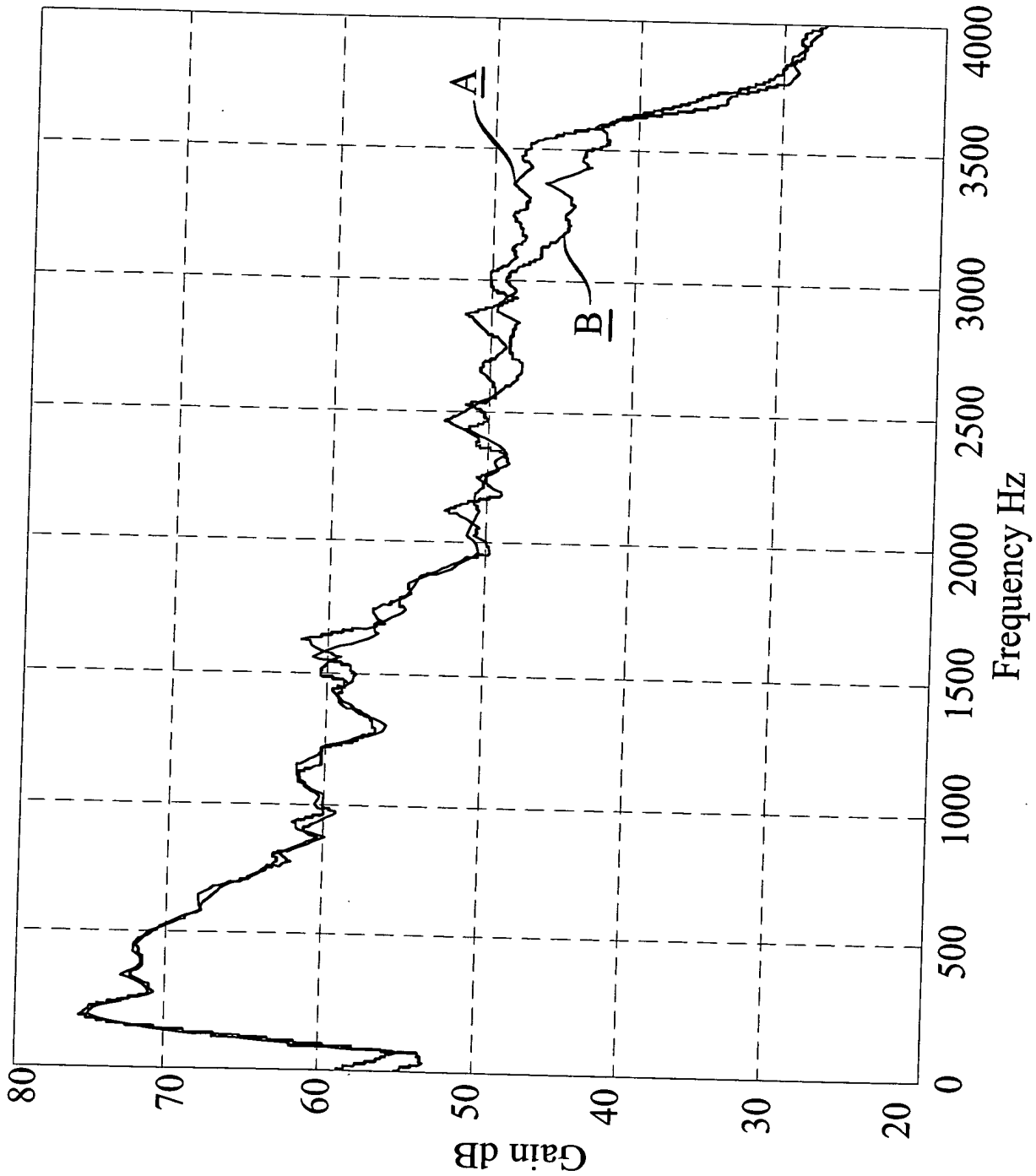

Gain dB
0
1
2
3
4
5
6
7
8
9
10
Frequency Hz
0
500
1000
1500
2000
2500
3000
3500
4000

FIG. 9


A
B
Gain dB
80
70
60
50
40
30
20
0
500
1000
1500
2000
2500
3000
3500
4000
Frequency Hz

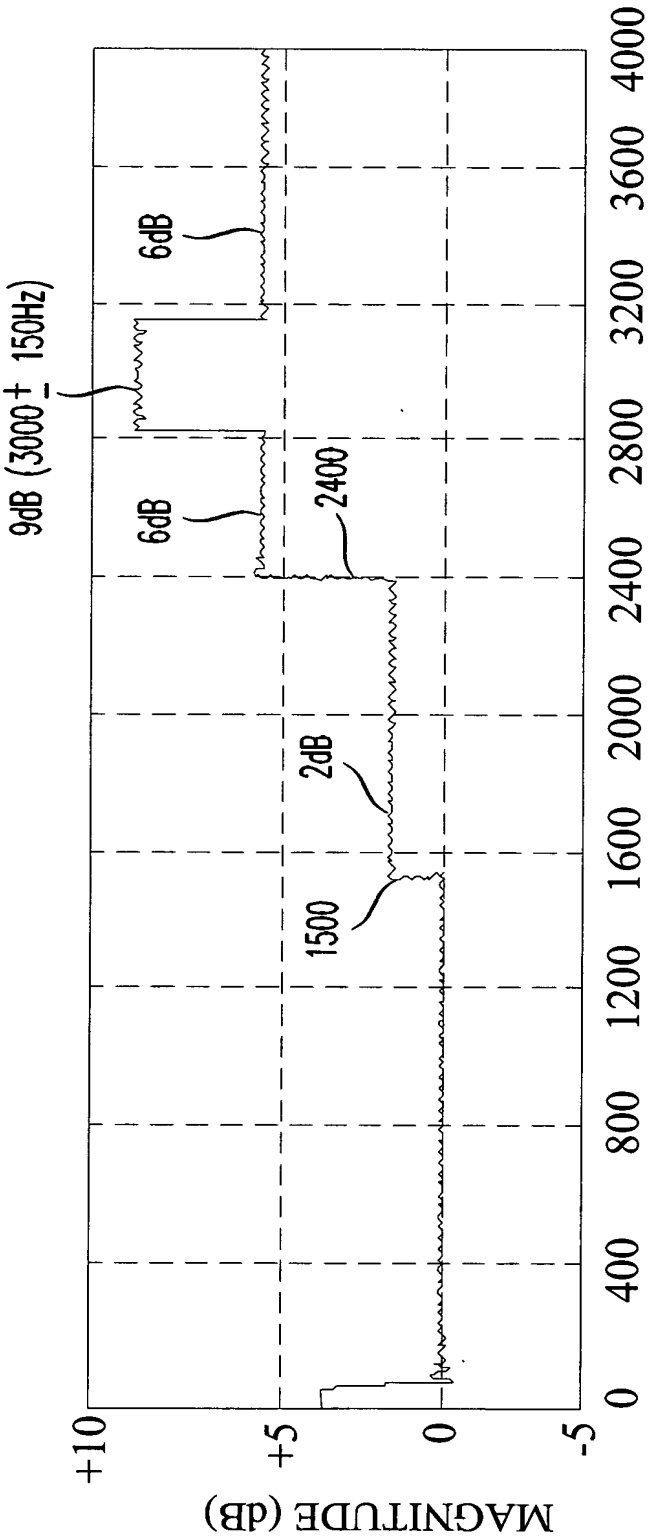

MAGNITUDE (dB)
+10
+5
0
-5
0
400
800
1200
1600
2000
2400
2800
3200
3600
4000
FREQUENCY (Hz)
9dB (3000± 150Hz)
6dB
6dB
2400
2dB
1500

FIG. 10